

## Ultra Low Nox Light Duty Commercial Gas Water Heater Atmospheric Vent

*American Standard*<sup>®</sup>

WATER HEATERS

[www.americanstandardwaterheaters.com](http://www.americanstandardwaterheaters.com)

Model Available in 75 & 100 Gallon Capacities

76,000 BTU in Natural and LP Gas

These American Standard Commercial Gas Models are designed to fulfill the hot water requirements of large residential, business and multi-family developments up to four double baths units (PLC 75-76) or up to seven single or five double baths units (PLC 100-76).

### Features

- **HEAVY GAUGE STEEL TANK** – For extra years of trouble-free service.
- **INNER TANK GLASS-LINED** – With Dura-Glas™ and fired at 1600° F for optimum protection from the effects of corrosion.
- **R-16 NON-CFC FOAM INSULATED** – To save energy and reduce fuel costs by maximizing heat retention.
- **TWO ANODE ROD** – To extend tank life.
- **SELF-CLEANING TURBULENCE INDUCING COLD WATER INLET-TUBE** – Engineered to diminish hard water area sediment deposits.
- **FULL SIZE HAND-HOLE CLEANOUT** – For convenient tank inspection and removal of sediment deposits.
- **FURNISHED WITH HEAVY GAUGE STEEL LEGS** – Designed to maximize durability & provide stability during installation.
- **AUTOMATIC GAS THERMOSTAT ADJUSTABLE TO 180° F** – When installed with a mixing valve, can deliver 180° F and 140° F general purpose hot water simultaneously.
- **COMBUSTION CHAMBER DOOR** – Including hinged knob outside access & sliding inner door to isolate burner & pilot area for additional safety.
- **FACTORY INSTALLED ENERGY CUT-OFF SYSTEM AND TEMPERATURE & PRESSURE RELIEF VALVE.**
- **SMALL VENT SIZE & TOP MOUNT WATER CONNECTIONS** – Allow for universal replacement of other brands (PLC 75-76 AS = 1" & PLC 100-76 AS = 1 1/4").
- **AMERICAN STANDARD GAS WATER HEATERS** – Are certified at 300 PSI test pressure & for 150 PSI working pressure.
- **ALL TANKS ARE HYDROSTATICALLY TESTED AT THE FACTORY.**
- **TESTED & LISTED WITH ETL INTERTEK** – In accordance with ANSI, Z.21.10.3, up to 180° F operation as an automatic storage and/or automatic circulating tank heater. ASHRAE Standard 90.1 1999 addendum 90.1b. ETL Certified to meet NSF/ANSI 5 Standards.
- **FOUR YEAR LIMITED TANK WARRANTY** – On inner glass lined tank and one year limited warranty on all other components.



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## SPECIFICATIONS AND APPLICATION DATA

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Dimensions shown in inches

MODEL	EXTERIOR DIMENSIONS			VENT	WATER PIPE SIZE	WATER I.P.S. CONNECTIONS		GAS I.P.S. CONN.		HEIGHT TO TOP CONNECT	TOP WATER SPREAD	HEIGHT	SIZE	HEIGHT TO T & P	T & P OPENING	APPROX SHIP WGT (LBS)
	A	B	C			D	E	F	G							
	PLC 75-76 AS-4	68 1/2	26 3/8			61 3/4	4	1 NPT	65 1/8							
PLC 100-76 AS-4	73 1/4	28 1/2	66 1/2		1 NPT	70 1/8		16 1/4		58 1/2		516				

### MAXIMUM HOT WATER DELIVERABILITY AT VARIOUS TIME PERIODS

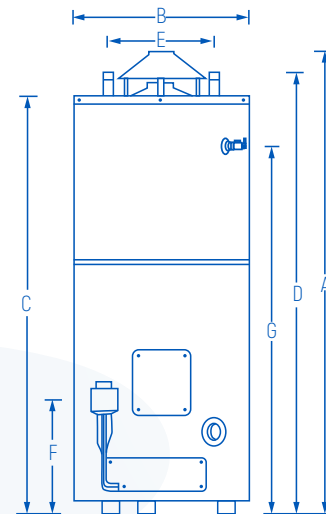
MODEL	STORAGE CAPACITY U.S. GALLONS	ONE HOUR RECOVERY 100° RISE	1ST HOUR	2 HOURS	3 HOURS	GPM REC. 100° RISE
PLC 75-76 AS-4	75		127	201	275	
PLC 100-76 AS-4	100	74	144	218	292	12

Note: Recovery rate indicated on heater rating plate is based on 75% (76%) thermal efficiency according to ANSI, Z.21.10.3. Manufacturer reserves the right to make product changes or improvements without notice.

### SPECIFICATIONS

MODEL	TANK GALLONS CAPACITY	BTU INPUT NAT GAS	REC GPH 100° RISE	UEF	FHR
PLC 75-76 AS-4	75				
PLC 100-76 AS-4	100	76,000	74	0.60	135
				0.57	125

\*For Propane (LP) Gas Model Add suffix "LP"; For SCAQMD Low NOx Model Add prefix "N"



### RECOVERY IN GALLONS PER HOUR AT VARIOUS TEMPERATURE RISES

MODEL	BTU INPUT	TEMPERATURE RISE										
		40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
PLC 75-76 AS-4	76,000	185	148	123	105	92	82	74	67	62	57	53
PLC 100-76 AS-4												

Note: Recovery rate indicated on heater rating plate is based on 75% (76%) thermal efficiency according to ANSI, Z.21.10.3. Manufacturer reserves the right to make product changes and/or improvements with or without notice.

### SAMPLE SPECIFICATION

Commercial gas water heater shall be AMERICAN STANDARD model \_\_\_\_\_ having a storage capacity of \_\_\_\_\_ gallons, operate on \_\_\_\_\_ Gas, with a BTU input of \_\_\_\_\_ and a recovery rate of \_\_\_\_\_ gallons per hour at 100°F temperature rise. Water heater tank interior shall be glass lined with Dura-Glas™, furnished with four anode rods and insulation shall be non-CFC foam of R-16 Water heater shall be ETL listed.

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